SYNTHESIS AND METAL COMPLEXATION OF NEW AMINE DERIVATIVES CONTAINING 1,3-DIOXOLANE

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In this study; 1,2-O-Y-3-aza-7-aminoheptane and 1,2-O-Y-3-aza-6-aminohexane (Y = cycloheptanone, cyclopentanone, asetone, methyl ethyl ketone) were synthesised in the first step reaction.

A new series of copper(II), nickel(II), cobalt(II) and uranyl chelates containing the amine ligands have been synthesised. The structures of the new materials were identified by using IR, UV, NMR, TGA, DTA, conductivity, magnetic moment and elemental analyses techniques.